

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**AMENDMENT “J” AFTER FINAL**

APPLICANTS: Daniel Zamanillo Castanedo, GROUP ART UNIT: 1633  
et al.

SERIAL NO.: 10/731,379 EXAMINER: Kelaginamane T. Hiriyanna

FILING DATE: December 9, 2003 CONFIRMATION NO.: 4441

DOCKET NO.: P03,0588 (29478-0015)

INVENTION: NON-HUMAN MUTANT MAMMALS DEFICIENT IN SIGMA  
RECEPTORS AND THEIR APPLICATIONS

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In response to the final Office Action dated April 12, 2011, amend the above-identified application as follows:

Amendments to the Claims begin on page 2.

Remarks begin on page 4.